Docket No.: 070456-0071 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: 3563

Application No.: 10/522,176 : Group Art Unit: 2169

Filed: January 24, 2005 : Examiner: Hung Q. Pham

For: DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF

SECURITY DATA WITHOUT DUPLICATION

REQUEST FOR COMPLETE ACKNOWLEDGEMENT OF THE CITED ART

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

We are in receipt of the Notice of Allowance dated September 18, 2009.

In reviewing the file, it is noted that we have not received complete acknowledgement of the Information Disclosure Statements and cited art filed on January 24, 2005, October 29, 2008, June 30, 2009, and September 17, 2009. Specifically, EP 1 237 324, JP 2002-189648, JP 2001-197292, JP 11-39450, JP 6-202926, and JP 5-46359 on the PTO-1449 Form submitted on January 24, 2005. Also, Japanese Office Action with English Translation issued in Japanese Patent Application No. JP 2002-216750 on PTO-1449 Form submitted on October 29, 2008. Again, specifically US

2002/0138442 as submitted on PTO-1449 Form on June 30, 2009, Also, specifically JP 2003-248557, JP 2002-026890, JP 2002-164881 and Japanese Decision to Grant Patent w/English translation issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2008 as submitted on PTO-1449 Form on September 17, 2009.

Enclosed are copies of the Information Disclosure Statements, PTO-1449 Forms and the Acknowledgement Receipts and postcard receipts. Also, enclosed are copies of the PTO-1449 Forms which were partially initialed by the Examiner.

Applicant hereby respectfully requests that:

- (1) the **completely** acknowledged PTO-1449 be furnished to Applicant; and
- (2) the record be clarified to confirm that the cited art has been considered and made of record.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Stephen A. Becker Registration No. 26,527

600 13th Street, N.W. Washington, DC 20005-3096 Phone: 202.756.8000 SAB:ss Facsimile: 202.756.8087

Date: October 7, 2009

Please recognize our Customer No. 20277 as our correspondence address.

										- 11		
L: AHumphries	Secy, or PL:	4233	Tkpr.#	SAB	Atty Init.	1650.00	417\$	Charge Deposit Acct. 500417\$	iarge Depo	 図 오	φ.	Check for \$
								ĕ	sion of Tin	month Extension of Time	Request for	_
		1	•		I				Action of	ment to Office	Response/Amendment to Office Action of	
										on Priority	Claim for Convention Priority	
pared by the JPO	port as prep	Search Re	rnational		×					riority Doc.	Certified Copy of Priority Doc.	
hed Application	onal Publis	4) Internati	/RO/101		Ì							
Status Inquiry Other 1) PCT/IR/301 304 306 308 332 2) PCT/IPEA/409	306.308.33	301 304 3	aquiry PCT/IB	Status I					Papers	Correct App. I	Resp. to Notice to Correct App. Papers	
		sioner	Petition to Commissioner	Petition					Ö	ng Parts Notic	Response to Missing Parts Notice	
		. ¬	Terminal Disclaimer	Termina						lment	Preliminary Amendment	\boxtimes
		tion Form	Fee Address Indication Form	Fee Ado					eferences	copies of cited references	8	77
	years after grant		Maintenance Fee tor	Mainten					•	Form PTO 1449	77	•
	affect and the second	Collect	Centificate	Keq. Tor] [7	ure Statemer	Information Disclosure Statement	
			on Fee	Publication Fee] [nent	rity Agreen	ignment/Secu	Recordation of Assignment/Security Agreement	Ø
			i i	Issue Fee						of Attorney	Declaration/Power of Attorney	Ø
	led Art	Req. for Acknowledgement of Cited An	Acknowled	Req. for] [tity	Large Entity	Small Entity	
	•	nt/Letter	Rule 312 Amendment/Letter	Rule 312				rawings	I/Informal C	pages of Formal/Informal Drawings		30
C Reply bile!	Brief	☐ Appeal Brief	ppeal	Not. of Appeal	l [Ω	pages of Abstract	pa	_
Donk Biof]	Req. for Oral Hearing	Req. for] [pages of Claims	pa	4
	endments	Req. for Approval of Drawing Amendments	Approval of	Req. for					cation	pages of Specification		69
	pages of drawings	pages o	bmitting _	Letter submitting							Other:	
		K CF	PCT	×	☐ Div.	 다 음	Cont.	Design		Utility	New Patent App	z
]]	: :	ì	ì				,		ransmittal Letter	⊠
Express Mail No.		First Class Mail		☐ Cert. of Mailing	წ 	☐ Electronic	ė. L	Fax	Hand Carried	⊠ Han	1/24/2005	Date Sent:
No. NOL yet assigned	g./Patent]	VERLAP	O TUOHTIN	RELATING TO INPUT/OUTPUT PROCESSING OF CLASSIFIED DATA WITHOUT OVERLAP	OF CLAS	CESSING (TPUT PRO	O INPUT/OU	RELATING T	Title:
			FORMATIC	ISTORY IN	TEMS OF H	DATA STORAGE DEVICE CAPABLE OF STORING A PLURALITY OF ITEMS OF HISTORY INFORMATION	NG A PL	OF STOR	CAPABLE	AGE DEVICE	DATA STOR	Applicant
211 20 C. 1 ONLY COMM	DOP OF L	וטוע	_	70456-071		Docke	1	ノント	-		Voshikiro HORI et al	^ policint:
T/PTO 2 4 . IAN 2005	ביים ביים ביים	חדחד				10/50017%	ンユ	えい	<u> </u>	-		

CMS Descrip.:

1-300.00 31-500.00 32-200.00

30-250.00 3-360.00

4-40.00

Early Serial Number

THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.

Docket No.: 70456-071 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

:

Yoshihiro HORI, et al. : Confirmation Number: Not yet

assigned

Application No.: Not yet assigned :

Group Art Unit: Not yet assigned

Filed: January 24, 2005 : Examiner: Not yet assigned

For: DATA STORAGE DEVICE CAPABLE OF STORING A PLURALITY OF ITEMS OF HISTORY INFORMATION RELATING TO INPUT/OUTPUT PROCESSING OF CLASSIFIED DATA WITHOUT OVERLAP

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents and Trademarks Washington, D. C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application and no certification or fee is required.

A copy of the foreign search report is attached for the Examiner's information. Please note this is a PCT application in the entry of the National Phase in the U.S. and copies of the references cited were transmitted by WIPO and are believed to be in the file of the above identified application and readily available to the Examiner. Therefore it is

Not yet assigned

believed that Applicants have met all requirements regarding duty of disclosure under 37

CFR 1.56. Acknowledgement and consideration of these documents are respectfully

requested.

A copy of the foreign search report is attached for the Examiner's information.

Please note this is a PCT application in the entry of the National Phase in the U.S.

However, to ensure that these references are available to the Examiner, we are providing

copies of these references herewith. Since the Search Report was from the U.S. JPO or EPO

search authorities, copies of these references should have been supplied to the USPTO under

the trilateral agreement and are believed to be in the file of the above identified application

and readily available to the Examiner.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Please recognize our Customer No. 20277

as our correspondence address.

Stephen A. Becker

Registration No. 26,527

600 13th Street, N.W. Washington, DC 20005-3096

Phone: 202.756.8000 SAB:aph

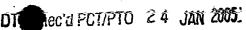
Facsimile: 202.756.8087 **Date: January 24, 2005**

2

INFO	CIT	ATION DISCLOS ATION IN AN PPLICATION	SURE	ATTY. DOCKET NO. 70456-071	1	ERIAL NO.	ssigned	
				APPLICANT Yoshihiro HOR	l, et al.	,		
		(PTO-1449)		FILING DATE January 24, 200	1	ROUP lot yet a	ıssigned	
		U	.S. PATEN	T DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code2 (# known)	Publication Dat MM-DD-YYYY		cant of Cited		s, Columns, Lines, W ant Passages or Rele Figures Appear	
		US						
		US						
		US						
		US						
		US				_		
		US						
		US						
		us				+		
	L		FOREIGN PA	ATENT DOCUMENTS				
EXAMINER'S		Foreign Patent Document	Publication Date			umns, Lines	Translation	
INITIALS	CITE NO.	Country Codes -Number 4 -Kind Codes (if known)	MM-DD-YYYY	Applicant of Cited Document		Relevant Appear	Yes	No
		WO 01/41356 A!	6-7-2001	SANYO ELECTRIC CO., LTD. et al.			JAPAN (w/English Abstract)	
		EP 1 237 324 A1	9-4-2002	SANYO ELECTRIC CO., LTD. et al.			Х	
		JP 2002-189648 A	7-5-2002	HITACHI, LTD.		<u>. </u>	JAPAN (w/English Abstract)	
		JP 2001-197292 A	7-19-2001	KONICA CORP.			JAPAN (w/English Abstract)	
		JP 11-39450 A	2-12-1999	MITSUBISHI ELECTRIC CORP. et al.			JAPAN (w/English Abstract)	
		JP 6-202926 A	7-22-1994	FUJI XEROX CO., LTD.			JAPAN (w/English Abstract)	1
		JP 5-46359 A	2-26-1993	MITSUBISHI ELECTRIC CORP.			JAPAN (w/English Abstract)	
				nor, Title, Date, Pertinent Pages, E		f tha itam (1	ak magazina	
EXAMINER'S INITIALS	ÇITE NO.	journal, serial, symposium, cata published.	CAPITAL LETTER alog, etc.), date, p	RS), title of the article (when appro age(s), volume-issue number(s), p	priate), title o	and/or count	ok, magazine, ry where	
					 			
	L	<u> </u>					<u> </u>	
		EXAMINER			DATE CONS	SIDERED		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



nec'd PCT/PTO 24 JAN 2005.

							S	SHEET 1 OF	1
INFO	CIT	AT	ON DISCLOS ION IN AN ICATION	SURE	ATTY. DOCKET NO. 70456-071	1 -	erial no. lot yet a	ssigned 1522 1	76
,					APPLICANT Yoshihiro HORI	, et al.			
	((PT	O-1449)		FILING DATE January 24, 200	_	ROUP lot yet a	ssigned	
			U	S. PATEN	T DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.		Document Number nber-Kind Code2 (1 known)	Publication Date MM-DD-YYYY	Name of Patentee or Appli Document	cant of Cited		c, Columns, Lines, Who ant Passages or Relev Figures Appear	
		US							
		US					_		
		US						·· <u>·</u>	
		us							
		us							
		ÚS					<u>.</u>		
		US						· · · · · · · · · · · · · · · · · · ·	
		us		EODEICH DA	TENT DOCUMENTS				
EXAMINER'S	1	For	eign Patent Document	Publication Date		Pages, Co	lumns, Lines	Translation	
INITIALS	CITE NO.	L	ntry Codes -Number 4 -Kind Codes (if known)	MM-DD-YYYY	Applicant of Cited Document	Where	Relevant s Appear	Yes	No
/H.P./			WO 01/41356 A1	6-7-2001	SANYO ELECTRIC CO., LTD. et al.			JAPAN (w/English Abstract)	
7			EP 1 237 324 A1	9-4-2002	SANYO ELECTRIC CO., LTD. et al.			X .	
			JP 2002-189648 A	7-5-2002	HITACHI, LTD.			JAPAN (w/English Abstract)	
/			JP 2001-197292 A	7-19-2001	KONICA CORP.		•	JAPAN (w/English Abstract)	<u> </u>
			JP 11-39450 A	2-12-1999	MITSUBISHI ELECTRIC CORP. et al.			JAPAN (w/English Abstract)	
/			JP 6-202926 A	7-22-1994	FUJI XEROX CO., LTD.			JAPAN (w/English Abstract)	
/			JP 5-46359 A	2-26-1993	MITSUBISHI ELECTRIC CORP.			JAPAN (w/English Abstract)	
		·			or, Title, Date, Pertinent Pages, E				
EXAMINER'S INITIALS	CITE NO.	journ	de name of the author (in al, serial, symposium, cat shed.	CAPITAL LETTER alog, etc.), date, pa	S), title of the article (when approage(s), volume-issue number(s), p	priate), title o publisher, cit	of the item (body) y and/or countr	ok, magazine, y where	-
	-	+					·		
	t								
		EX	AMINER /Hung Ph	am/	10/02	DATE CON /2008	ISIDERED		
1			۰۰ ، ۱۳۰۰ ا		10/00	12000			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

							-				-						
: :							-										
THE PATENT	Check for]	1]		Title:	Applicant:
AND TRADEMAI	↔	Request for	Claim for Conv	Certified Copy	Response to M	Preliminary Am		Recordation of Information Dis	Declaration/Po	Small Entity			<u> </u>	New Patent Ap	Transmittal Le	INPUT/OL	Yoshihiro HORI, et al.
RK OFFIC	—— ⊠	mo	ention P	of Priori	lissing P	Refer	Form	Assignr	wer of A	⊠ [•]	pages	pages	pages		~ (TPUTE	HORI,
E DATE	1	nth Exte	riority	ect App ly Doc.	arts No	ences at	PTO 14	nent/Se Statem	ttorney	Large	of Absi	of Clai	of Spe			ROCES	et al.
STAMPE	harge D 00417	e Action of	e Action	. Papers	ı Ç	ttached	49	curity Ao ent		Entity	tract nal/Infor	ms	cification		id Carrie	SSING C	
D HERE	eposit A	Time	2,)reemen			mal Dray	•			_	OF SECU	
ON IS AC	cct.							→		¢	vinas			sign	, Fa)	RITYD	
KNOWL	49															ATA WI	
DGEME	0.00													ont.	Elect	THOUT	
NT THAT													i	Ω	ronic	DUPLIC	Doc
ТНЕПТЕ	Atty Injt													סר		ATION	Docket No.
MS, CHE	 		1] [] [_ !g	Sert. of N	ORY IN	070
CKED AF				Status I Other	Petition	Fee Ad	Mainter	Publica Reg fo	Issue F	Req. to	Rub of	Req. to	Letter s		/ailing	FORMA	070456-0071
30VE, WI	Tkpr.			nquiry Japanes	to Com	dress in	nance Fe	tion Fee	e	r Ackno	Appeal	r Oral H	submittin	PCT		TION O	071
ERE REC				te Office	imer missione	dication	e for		4	wledgen	idment/I	earing			1st Cla	2	
EIVED B	5265			Action v	4	Form	ye ye			ent of C] Appe	awiig A	_pages	RCE	ıss Mail		
YTHE P	Secy			vith Eno				•		ited Art	al Brief	nename	of drawi			Pat	Ser
TO ON TI	, or PL:		1	lish Trai			grant				_	S	ngs	Prov	Expre	ent No.	Serial No.
HE DATE	Kac		o do	nslation		1	Wā	IM	\	\	☐ Repi				ss Mail I		10
STAMPE	kins	į				S. S.		OCT 2)	*	y Brief				Ę		10/522,176
Đ							Š	9 200	,	B							76
						13		789	14.	77							
	THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.	Check for \$ \(\begin{align*}{ c c c c c c c c c c c c c c c c c c c	Request for month Extension of Time Charge Deposit Acct. \$ 0.00 Atty Init. TT Tkpr. # 5265 ND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY	laim for Convention Priority Response/Amendment to Office Action of Request for month Extension of Time Charge Deposit Acct. \$ 0.00 Atty Init. TT Tkpr. # 5265 AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY	Status Inquiry Sertified Copy of Priority Doc. Status Inquiry Cother Japanese Office Action will appear to Co	Response to Missing Parts Notice Resp. to Notice to Correct App. Papers Resp. to Notice to Correct App. Petition to Commissioner Resp. to Notice t	References attached Telliminary Amendment Response to Missing Parts Notice Response to Missing Parts Noti	References attached References References attached Referenc	Recordation of Assignment/Security Agreement formation Disclosure Statement formation Disclosure Statement formation Disclosure Statement formation Disclosure Statement Form PTO 1449 Req. for Certificate of Correction References attached References attached	Issue Fee Publication Fee Pee Publication Fee Pee Pee Publication Fee Pee Pee	Small Entity	Pages of Abstract Pages of Abstract Pages of Abstract Pages of Formal/Informal Drawings Pages of Formal/Information/Power of Attorney Pages of Formal/Information Disclosure Statement Pages of Formal/Information Disclosure Statement Publication Fee Publication Fee Publication Fee Publication Fee Publication Fee Pages Indication Form Page	pages of Claims pages of Abstract pages of Abstract pages of Formal/Informal Drawings Small Entity Small Entity Small Entity Small Entity Small Entity Small Entity More for Appeal Population of Assignment/Security Agreement Peccharation Power of Attorney Peccharation Disciscure Statement Form PTO 1449 References attached References attached References attached References attached References attached References attached References to Missing Parts Notice Response to Missing Respon	pages of Specification PReq. for Approval of Drawing Amendments pages of Abstract pages of Abstract pages of Formal/Information Prover of Abstract pages of Specification Prover of Abstract pages of Specification Prover of Abstract pages	Other: Design Cont CIP Div. PCT RCE Prov Design Cont CIP Div. PCT RCE Prov Content Pages of Specification Pages of Specification Pages of Claims Pages of Abstract Pages of Abstract Pages of Abstract Pages of Formal/Informal Drawings Pages of Formal/Informal Drawings Pages of Approval of Drawing Amendment Pages of Approval of Criticate Pages of Approval of Criticate Pages of Claims Pages of Claims Pages of Claims Pages of Claims Pages of Approval of Criticate Pages of Chalmating Pages of Claims Pages of Chalmating Pages of Claims Pages of Claims	Cent of Mailing Introduction Cent of Mailing Introduction Express Mail Provide	NAPTION INFORMATION ON INFORMATION

Docket No.: 070456-0071 **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Customer Number: 20277

Yoshihiro HORI, et al.

Confirmation Number: 3563

Application No.: 10/522,176

Group Art Unit: 2169

Filed: January 24, 2005

Examiner: Hung G. Pham

For:

DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA

WITHOUT DUPLICATION

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

10/522,176

CERTIFICATION PARAGRAPH

The undersigned certifies that each item of information contained in this Information

Disclosure Statement was first cited in a communication from a foreign patent office in a

counterpart foreign application not more than three months prior to the filing of this Information

Disclosure Statement as described in 37 CFR 1.97(e)(1).

Each reference was cited in a Japanese Office Action and its relevance discussed therein.

Please note that references WO 01/041356, JP 11-039450, JP 2002-189648 and JP 05-046359

were previously filed on January 24, 2005 and therefore, are not included. A copy of the

Japanese Office Action, together with an English language version thereof, is attached for the

Examiner's information.

Please charge any shortage in fees due in connection with the filing of this paper,

including extension of time fees, to Deposit Account 500417 and please credit any excess fees to

such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Tornoki Tanida

Registration No. 60,453

600 13th Street, N.W. Washington, DC 20005-3096

Phone: 202.756.8000 TT:ksa

Facsimile: 202.756.8087

Date: October 29, 2008

Please recognize our Customer No. 20277

as our correspondence address.

									SHEET I	<u> </u>	<u>. </u>
			N DISCLOSI BY APPLICA		i i	TY. DOCKET N 70456-0071	O.	SERIAL 10/522		v	
					1	PLICANT OShihiro HC	ORI, et a	I.			
	(Subs	titute	for form 1449/PTO)			LING DATE anuary 24, 2	2005	GROUP 2169			
			U	.S. PATEN	T DC	CUMENTS					
EXAMINER'S INITIALS	CITE NO.	4	Document Number nber-Kind Code2 (# known)	Publication Dat MM-DD-YYYY		ne of Patentee or Ap Documen		d Pages, Passa	Columns, Lines, Where ges or Relevant Figure	Relev s Appe	ant ar
		US	7,340,055 B2	03-04-2008	_	HORI et a	ıl.	Corre	esponds w/ WO 01/	06984	12
	1	us	7,222,153 B2	05-22-2007		ANDO et a	al.	Corre	esponds w/ JP 2002	-1896	48
		US							· 		
	ļ	US					<u>-</u>				
<u> </u>	 	US									
	 	US									
		บร									
		US									
		US							<u>,</u>		
	 	US			+						
	 	US			\dashv			———			
		US									
						OCUMENTS	1 2		Townstation		
EXAMINER'S INITIALS	CITE NO.		reign Patent Document Intry Codes -Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY		me of Patentee or pplicant of Cited Document	Lines Whe	Columns, re Relevant Appear	Translation Yes	1	No
		l '	WO 01/069842 A1	09-20-2001	F	IITACHI, LTD.	1	onds w/ 40,055	JAPAN (w/ English Abstr	act)	
	ļ	<u> </u>									
	-	-		 	+		 				
	 	 		 							
							<u> L</u>		<u> </u>		<u> </u>
		1				Date, Pertinent Pag		tle of the iter	n (hook magazine		
EXAMINER'S INITIALS	CITE NO.	jourr	de name of the author (in nal, serial, symposium, cat shed.	alog, etc.), date, p	age(s), v	olume-issue number	(s), publisher,	city and/or o	country where		
		<u> </u>	Japanese Office Ac			slation, issued in 50, dated July 29,		Patent Ap	pplication No.		
	 					· · · · · · · · · · · · · · · · · · ·					
	-	 									
	1	EX	AMINER				DATE C	ONSIDERE	D		
ſ					<u> </u>						

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



SHEET 1 OF 1

			N DISCLOSI BY APPLICA		ATTY. DOCKET N 070456-0071	0.	SERIAL 10/52:		
,					APPLICANT Yoshihiro HC	RI, et a	1.		
	(Subs	stitute	for form 1449/PTO)		FILING DATE January 24, 2	2005	GROUP 2169		
			U	S. PATEN	T DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.	Nui	Document Number mber-Kind Code2 (it known)	Publication Dat MM-DD-YYYY			d Pages, Passa	Columns, Lines, Where Rel Iges or Relevant Figures App	evant
/H.P./		υs	7,340,055 B2	03-04-2008	HORI et a	il.	Corr	esponds w/ WO 01/069	342
/H.P./		US	7,222,153 B2	05-22-2007	ANDO et a	al.	Corre	esponds w/ JP 2002-189	648
		US							
		US							
	<u> </u>	US				 			
		US							
		US				-			
		US							
		υs			- 		1		
		us			- 			· · · · · · · · · · · · · · · · · · ·	
		υs							
		US							
		US					_1		
SVA VILLEDIO			-i D-t1 D		ATENT DOCUMENTS	T D==== 6		Topololica	
EXAMINER'S INITIALS	CITE NO.		reign Patent Document intry Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	4 404 1	Pages, C Lines When Figures	e Relevant	Translation Yes	No
/H.P./		'	NO 01/069842 A1	09-20-2001	HITACHI, LTD.	Corresp US 7,3		JAPAN (w/ English Abstract)	
	<u> </u>	L							
						 			
	 -	 -							-
	<u> </u>		OTHER A	RT (Including Auti	nor, Title, Date, Pertinent Page	es, Etc.)		L	
EXAMINER'S INITIALS	CITE NO.	journ			RS), title of the article (when a age(s), volume-issue number(
			Japanese Office Act	ion, with Engli	sh Translation, issued in	Japanese	Patent Ap	plication No.	
		ļ	· · · · · · · · · · · · · · · · · · ·	JP 200	2-216750, dated July 29,	2008.			
	<u> </u>								
	 -	 							
	•	EX	AMINER /Hung	g Pham/		DATE CO	ONSIDERE	03/19/2009	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

I ctronic Acl	knowledgement Receipt
EFS ID:	5615851
Application Number:	10522176
International Application Number:	
Confirmation Number:	3563
Title of Invention:	Data storage device capable of storing multiple sets of history information on input/output processing of security data without duplication
First Named Inventor/Applicant Name:	Yoshihiro Hori
Customer Number:	20277
Filer:	Tomoki Tanida/Margaret Barham
Filer Authorized By:	Tomoki Tanida
Attorney Docket Number:	70456-071
Receipt Date:	30-JUN-2009
Filing Date:	24-JAN-2005
Time Stamp:	15:07:07
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted wit	h Payment	no			
File Listing	:				
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	IDS_070456-0071.pdf	79628	no	3

Warnings:

Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

, 🖜

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PATENT Docket No.: 070456-0071

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Customer Number: 20277

Yoshihiro HORI, et al.

Confirmation Number: 3563

Application No.: 10/522,176

Group Art Unit: 2169

Filed: January 24, 2005

Examiner: Hung Q. Pham

DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA

WITHOUT DUPLICATION

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed after the filing of a Request for Continued Examination (RCE) and before the mailing of a subsequent Office Action. certification or fee is required.

Phone: 202.756.8000 TT:mjb Facsimile: 202.756.8087 **Date: June 30, 2009**

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY-LLP

Tomoki Tanida

Registration No. 60,453

600 13th Street, N.W. Please recognize our Customer No. 20277 as our correspondence address.

2

			N DISCLOSU BY APPLICA		ATTY. DOCKET NO. 070456-0071		SERIAL NO. 10/522,17	76	
					APPLICANT Yoshihiro HORI	, et al.			
	(Su	bstitute	for form 1449/PTO)		FILING DATE January 24, 200		GROUP 2169		<u> </u>
			U	.S. PATEN	T DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.		Document Number aber-Kind Codez (at known)	Publication Date MM-DD-YYYY	Name of Patentee or Applic Document	cant of Cited	d Pages Releva	s, Columns, I ant Passages Figures Ap	ines, Where s or Relevant pear
	+-	US	2002/0138442 A1	09-26-2002	HORI et al.				
	 	US							
		US							
		US						-	
		US							
<u> </u>	1	US							
		US						···	
	+	US		 					
	+	US							
	+-	us							
	1	US							
		US							
		US	<u> </u>	FOREIGN S	ATENT DOCUMENTS				
			reign Retent Decument	Publication Date		Pages C	olumns, Lines	Tra	inslation
EXAMINER'S INITIALS	CITE NO.	: Co	oreign Patent Document untry Codes-Number 4-Kind Codes (if known)	MM-DD-YYYY	Applicant of Cited Document	Where	e Relevant es Appear	Yes	No
		_				 			
	<u> </u>								
						1		· · · · ·	
	+	-				1			
· · · · · · · · · · · · · · · · · · ·	+			<u> </u>					
			OTHER A	RT (Including Auth	nor, Title, Date, Pertinent Pages, E	Etc.)			
EXAMINER'S INITIALS	CITE NO.	jour	ude name of the author (in nal, serial, symposium, cat lished.	CAPITAL LETTER alog, etc.), date, p	(S), title of the article (when appro age(s), volume-issue number(s), p	priate), title publisher, ci	of the item (bo- ty and/or count	ok, magazine ry where	Э,
							 		
		E	XAMINER			DATE CO	NSIDERED		
L			the state of the s		with MDED 600. Drow line thro		if not in confo	manaa and	not considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Ele onic A	cknowledgement Recei
EFS ID:	6092545
Application Number:	10522176
International Application Number:	
Confirmation Number:	3563
Title of Invention:	DATA STORAGE DEVICE CAPABLE OF STORING MULTIPLE SETS OF HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA WITHOUT DUPLICATION
First Named Inventor/Applicant Name:	Yoshihiro Hori
Customer Number:	20277
Filer:	Stephen Alan Becker/Margaret Barham
Filer Authorized By:	Stephen Alan Becker
Attorney Docket Number:	70456-071
Receipt Date:	17-SEP-2009
Filing Date:	24-JAN-2005
Time Stamp:	14:52:24
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with	Payment	no			
File Listing:	 ;				
Document	Document Description	File Name	File Size(Bytes)/	Multi Part / zip	Pages (if appl.)

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	IDS_070456-0071.pdf	99896 ac304622dc5e15b90f6ebd9ec557711a803 ec760	no	3
Warnings:					

Information:

		Total Files Size (in bytes	9653	800	
Information:					
Warnings:					
5		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	293d67d38b24c488738f7a76b38825f8865 97b24		110
	Foreign Reference	REF3_070456-0071.pdf	5731160	no	
Information:					
Warnings:					
T	, stargit the terres	11 <u>2</u> -0, 0 to 0 0 0 1 1 p 1	4842b470aa5fb12c3ea229440041393061f9 b599		
4	Foreign Reference	REF2_070456-0071.pdf	1880616	no	30
Information:					
Warnings:					
3	Foreign Reference	NET 1_070430-0071.put	619f72e953449db7f289d144770ff0e16671 8782	110	31
	Caraign Deference	REF1_070456-0071.pdf	1856375	no	
Information:					
Warnings:					
	ra e bocaments	· · · · · · · · · · · · · · · · · · ·	78aa66621aa510bca852474bc82006d44c6 3fb75		6
2	NPL Documents	NPL_070456-0071.pdf	85753	no	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Docket No.: 070456-0071 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Yoshihiro HORI, et al. : Confirmation Number: 3563

Application No.: 10/522,176 : Group Art Unit: 2169

Filed: January 24, 2005 : Examiner: Hung Q. Pham

For: DATA STORAGE DEVICE CAPABLE OF STORING MULLTIPLE SETS OF

HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA

WITHOUT DUPLICATION

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed after the filing of a Request for Continued Examination (RCE) and before the mailing date of a subsequent Office Action on the merits. No certification or fee is required.

Each Japanese reference was cited in a corresponding Japanese application Office Action and its relevance discussed therein. A copy of the Japanese Office Action, together with an

10/522,176

English language version thereof, is attached for the Examiner's information. Please note that the

references WO 01/41356, JP 11-39450 A, JP 2002-189648 A, JP 5-46359 A, JP 6-202926 A,

and JP 2001-197292 A have been previously submitted in an Information Disclosure Statement

filed January 24, 2005. Also, please note that the reference WO 01/69842 has been previously

submitted in an Information Disclosure Statement filed October 29, 2008.

Please charge any shortage in fees due in connection with the filing of this paper,

including extension of time fees, to Deposit Account 500417 and please credit any excess fees to

such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Please recognize our Customer No. 20277

as our correspondence address.

Stephen A. Becker

Registration No. 26,527

600 13th Street, N.W. Washington, DC 20005-3096

Phone: 202.756.8000 SAB:mjb

Facsimile: 202.756.8087 Date: September 17, 2009

2

INITIALS NO. Number-Kind Code2 (if known) MM-DD-YYYY Document Refevant Passages or Refigures Appear US U												
(Substitute for form 1449/PTO) (Substitute for form 1449/PTO)												
U.S. PATENT DOCUMENTS EXAMINERS CITE Document Number Number-Kind Code2 or necessary Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Pages, Columns, Lines Felevant Passages or Refevant												
EXAMINER'S INITIALS CITE Number-Kind Code; graceword MM-DD-YYYY Mame of Patentee or Applicant of Cited Pages, Columns, Lines, Relevant Passages or Refigures Appear	(Substitute for form 1449/PTO)											
INITIALS NO Number-Kind Codes of Monant MM-DD-YYYY Document Relevant Passages or Refigures Appear US U				U	S. PATE	NT	DOCUMENTS					
US U			Nu							ges, Columns, Lines, Where evant Passages or Relevant Figures Appear		
US U												
US U			1									
EXAMINER'S INTIALS US US US US FOREIGN PATENT DOCUMENTS Publication Data MM-DD-YYYY Applicant of Cited Document Publication Codes (if Anown) JP 2003-248557 A 09-05-2003 SANYO ELECTRIC CO English abstract) JP 2002-026890 A 01-25-2002 SANYO ELECTRIC CO English abstract) JP 2002-164881 A 06-07-2002 SANYO ELECTRIC CO English abstract) JAPAN (w/ English abstract) JAPAN (w/ English abstract) LTD; NIPPON COLUMBIA OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009										·		
US			US									
EXAMINER'S INITIALS US												
EXAMINER'S INITIALS EXAMINERY					 							
EXAMINER'S INITIALS INITI						\dashv						
INITIALS CITE NO. Country Codes -Number 4-Kind Codes (# known) JP 2003-248557 A 09-05-2003 SANYO ELECTRIC CO JAPAN (w/ English abstract) JP 2002-026890 A 01-25-2002 SANYO ELECTRIC CO JAPAN (w/ English abstract) JP 2002-164881 A 06-07-2002 SANYO ELECTRIC CO; FUJITSU LTD; PFU LTD; HITACHI LTD; NIPPON COLUMBIA OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where patent Application No. JP 2002-216750 dated September 8, 2009		1			FOREIGN P	PATEN	NT DOCUMENTS					
JP 2002-026890 A 01-25-2002 SANYO ELECTRIC CO JAPAN (w/ English abstract) JP 2002-164881 A 06-07-2002 SANYO ELECTRIC CO; FUJITSU LTD; PFU LTD; HITACHI LTD; NIPPON COLUMBIA OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, published. Japanese Decision to Grant Patent, w/ English translation thereof, Issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009	INITIALS CITE		Country Codes-Number 4-Kind					Where Relevant		Translation Yes	n No	
DTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS OTHER ART (Including Author, Title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where Dapanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009		JF		P 2003-248557 A	09-05-2003	3				English		
CO; FUJITSU LTD; PFU LTD; HITACHI LTD; NIPPON COLUMBIA OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009			JI	P 2002-026890 A	01-25-2002	2				English		
EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009			Ji	P 2002-164881 A	06-07-2002	2	CO; FUJITSU LTD; PFU LTD; HITACHI LTD; NIPPON			English		
EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009												
EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009			<u> </u>								-	
INITIALS CITE NO. Journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009		L	·	OTHER AF	RT (Including Aut	thor, T	itle, Date, Pertinent Pages, Et	tc.)				
Patent Application No. JP 2002-216750 dated September 8, 2009			journ	al, serial, symposium, cata							.,,,,,,,	
EXAMINER DATE CONSIDERED			J							Japanese		
EXAMINER DATE CONSIDERED												
EXAMINER DATE CONSIDERED		<u> </u>										
I I	· · · · · · · · · · · · · · · · · · ·		EΧ	AMINER	· · · · · · · · · · · · · · · · · · ·			DATE CO	NSIDERED			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.